

Work Order ID 69925

Tuesday, May 24, 2011 2:22:24 PM



Page 1

Item ID: D2938-2

Accept



Setup Start



Revision ID:

Stop



Item Name: Saddle RH Out, 206

Start Date: 5/24/2011 Start Qty: 6.00



Cust Item ID:

Required Date: 5/31/2011 Req'd Qty: 6.00



Customer:

Reference:

Approvals:

Process Plan:

Date: 11-05-24

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run Start



Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

D2938

Rev C

100

0.00



HAAS CNC VERTICAL MACHINING #1

HAAS 1

Memo

0.00

HAAS CNC vertical machine #1

Program part number and batch number. ☐ 1-Inspect part number and batch number are programmed correctly. ☐ 2-Machine Step No 1 of Folio and visually inspect as per dwg D2938 & attached Dimension Sheet ☐ 3-Machine Step No 2 of Folio and visually inspect as per

SL 11-07-14

6

φ

110

0.00



CONVENTIONAL MILLING MACHINE

Mill Conv

Memo

0.00

Conventional Milling Machine

Machine Keyway and inspect per attached dimension sheet

SL 11-07-14

6

φ

120

0.00



QC1- Inspect dimensions to dimension sheet

QC

Memo

0.00

Quality Control

SL 11-07-14

6

φ

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 69925

Tuesday, May 24, 2011 2:22:24 PM



Page 2

Item ID:	D2938-2	Accept		Setup	Start	
Revision ID:						
Item Name:	Saddle RH Out, 206				Stop	
Start Date:	5/24/2011	Start Qty:	6.00			
Required Date:	5/31/2011	Req'd Qty:	6.00			
Reference:						
				Cust Item ID:		
				Customer:		

Approvals:	Process Plan:	Date:	Tooling:	Date:	Run	Start	
	QC:	Date:	SPC (Y/N):	Date:		Stop	

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130 QC Quality Control	QC8- Inspect parts - second check Memo	0.00 0.00		B.A 11/07/14		6	0		
140 HandFinish Hand Finishing	Chemical Conversion Coat per QSI005 4.1 Memo	0.00 0.00				6	0	BL 11-7-14.	
150 Powdercoat Powder Coating	White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum M117745. Memo START TIME: 9:50 • OVEN TEMPERATURE: 350° FINISH TIME: 10:20.	0.00 0.00				6	0	BL 11-7-14.	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 69925

Tuesday, May 24, 2011 2:22:24 PM

Page 3

Item ID: D2938-2

Accept

Revision ID:

Item Name: Saddle RH Out, 206

Start Date: 5/24/2011 Start Qty: 6.00

Required Date: 5/31/2011 Req'd Qty: 6.00

Reference:

Cust Item ID:

Customer:

Approvals:

Process Plan:

Date:

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run

Start

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

160

QC3- Inspect Part Finish

0.00



QC

Memo

0.00

Quality Control

6. 6 24 11/03/11

170

Identify as per dwg & Stock Location: 425

0.00



Packaging

Memo

0.00

Packaging

11/17/10 6

180

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

11/17/10 8

MF 11-07-15

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Tuesday, May 24, 2011 2:22:30 PM

Page 1

Work Order ID: 69925

Parent Item: D2938-2

Parent Item Name: Saddle RH Out, 206



Start Date: 5/24/2011

Required Date: 5/31/2011

Start Qty: 6.00

Required Qty: 6.00

Comments: IPP: B ☐ 00.06.26 ☐ New DWG rev (mpp 2069) ☐ EC ☐
IPP Rev: C As per Rev C 07-03-19 JLM ☐

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

D6101-003

Manufactured

No

100

Each

24.0000

1

6



Saddle Billet, 7075



2L 11-07-12

Location

Loc Qty

Loc Code

MAT040

14

68171

14

MAT45

10

68172

10

69678

6

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order:	69925
Description: 206 Saddle, Outboard, Right side	Part Number:	D2938-2
Inspection Dwg: D2938 Rev. C		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2938 Rev. C and record below:

Dim	Min	Max	Go/No Go Gauge	Recorded Actual Dimensions					
				1	2	3	4	5 By	6 Date
A	0.100	0.140		.120	.120	.121	.120	.121	.120
B	0.100	0.140		.120	.120	.121	.120	.121	.119
C	0.100	0.140		.113	.111	.113	.113	.113	.113
D	0.210	0.230		.220	.220	.220	.220	.220	.220
E	1.245	1.255		1.250	1.250	1.250	1.250	1.250	1.250
F	1.245	1.255		1.250	1.250	1.250	1.250	1.250	1.250
G	2.495	2.505		2.500	2.500	2.500	2.500	2.500	2.500
H	0.510	0.515		.511	.511	.511	.511	.511	.511
I	1.572	1.582		1.577	1.577	1.577	1.577	1.577	1.577
J	2.495	2.505		2.500	2.500	2.500	2.500	2.500	2.500
K	0.257	0.262		.257	.257	.257	.257	.257	.257
L	0.312	0.317		.313	.313	.313	.313	.313	.313
M	0.235	0.240		.238	.238	.238	.238	.238	.238
N	0.100	0.140		.120	.120	.120	.120	.120	.120
O	0.540	0.560		.551	.552	.549	.550	.550	.549
P	0.490	0.510		.501	.501	.500	.499	.501	.500
Q	3.715	3.725		3.720	3.720	3.720	3.720	3.720	3.720
R	2.720	2.760		2.740	2.740	2.740	2.740	2.740	2.740
S	0.240	0.270		.250	.249	.250	.250	.250	.250
T	0.100	0.180		.135	.135	.135	.135	.135	.135
U	1.625	1.635		1.630	1.630	1.630	1.630	1.630	1.630
V	1.362	1.372		1.367	1.367	1.367	1.367	1.367	1.367
W	0.316	0.321		.316	.316	.316	.316	.316	.316
X	1.250	1.270		1.260	1.260	1.261	1.260	1.260	1.260
Y	1.565	1.585		1.574	1.575	1.575	1.575	1.576	1.575
Z	0.178	0.198		.188	.188	.188	.188	.188	.188
AA									
AB									
AC									
AD									
AE									
AF									
AG									
AH									
Accept/Reject									

Measured by:	SL
Date:	11-07-13

Audited by:	B.A
Date:	11/07/14

Rev	Date	Change	Revised by	Approved
A		New Issue	RF	
B	02.12.12	Reformat; Added Dim. X-Y, DT8683, DT8686, DT8690	KJ/RF	
C	07.03.21	Revised per drawing revision C	KJ/JLM	

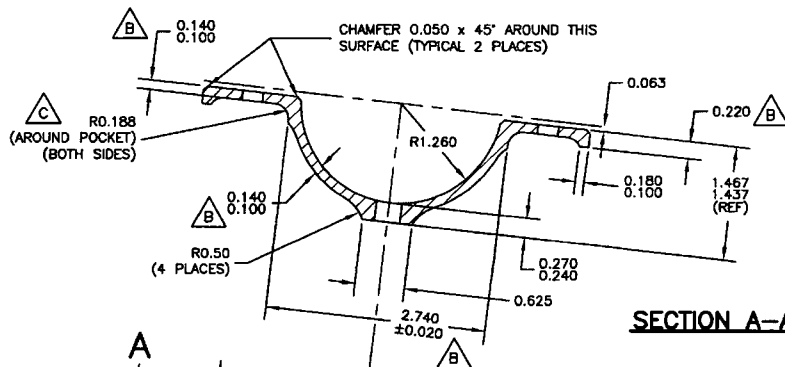
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

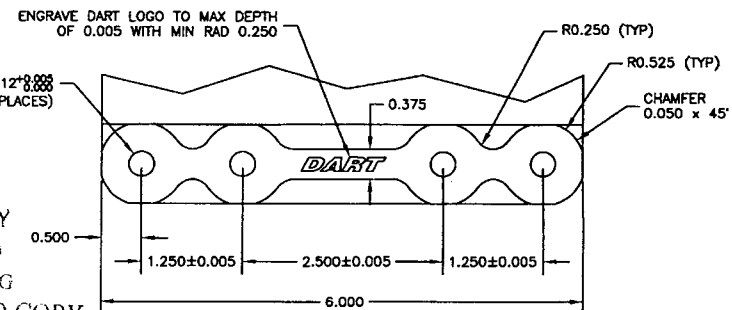
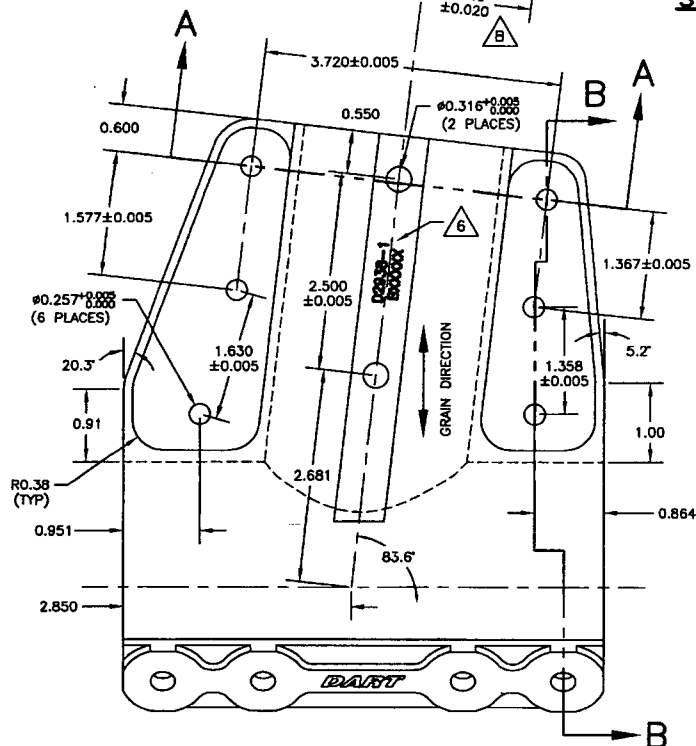
Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

• **NOTE:** Date & initial all entries

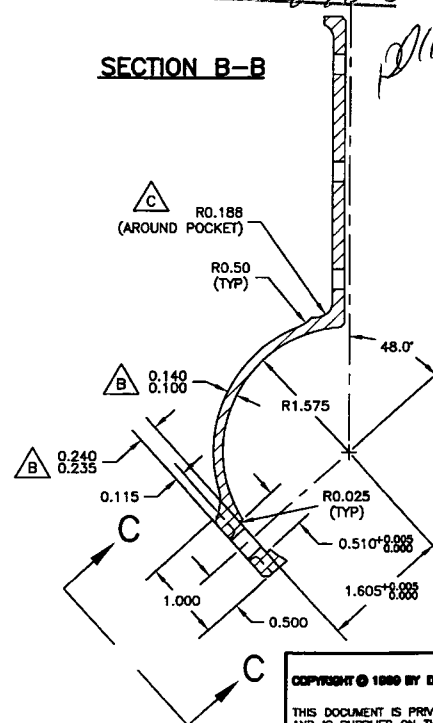


SECTION A-A



VIEW C-C

SECTION B-B



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 69925

D2938-1 LH SADDLE (SHOWN)
D2938-2 RH SADDLE (OPPOSITE)

- NOTES:**
- 1) MATERIAL: ALUMINUM 7075-T7351 (QQ-A-250/12)
(MAKE FROM D6101-003 SADDLE BILLET, 7075)
 - 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
POWDER COAT GLOSS WHITE (REF 4.3.5.1) PER DART QSI 005 4.3
 - 3) BREAK ALL SHARP EDGES 0.010 TO 0.020
 - 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 5) ALL DIMENSIONS ARE IN INCHES
 - 6) ENGRAVE PART AND BATCH NUMBER IN THIS AREA 0.010 TO 0.015 DEEP

C	06.11.09	R0.188 WAS R0.30 TO R0.25
B	00.05.29	CHANGED GEOMETRY AND MATERIAL
A	99.11.12	NEW ISSUE
DESIGN	4	DRAWN BY DART DART AEROSPACE USA, INC.
CHECKED	PH	APPROVED CB DART AEROSPACE USA, INC.
DATE	06.11.09	DRAWING NO. D2938
		TITLE SADDLE OUTSIDE
		REV. C SHEET 1 OF 1 SCALE 2:3

COPYRIGHT © 1999 BY DART AEROSPACE USA, INC.
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL
AND IS SUPPLIED ON THE EXPRESS CONDITION
THAT IT IS NOT TO BE USED FOR ANY PURPOSE
OR COPIED OR COMMUNICATED TO ANY OTHER
PERSON WITHOUT WRITTEN PERMISSION FROM
DART AEROSPACE USA, INC.

07.02.12

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries